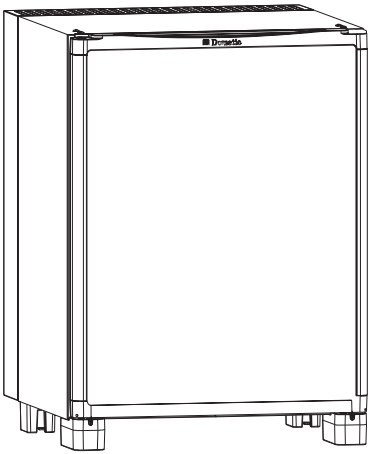
Dometic®
miniBar

RH 439D RH 449D

Type: MB20-60

Free-standing and Built-in versions
Version pose libre et version encastrable.



2002714

Operating Instructions GB
Mode d'emploi FR

207.5396.22

GB

Please read these operating instructions carefully before putting the refrigeration unit into operation. If you later sell or dispose of it, please ensure that the new owner receives these operating instructions.

Please follow the installation details below carefully. Guarantee is valid for products installed as described only. (See chapter 4.1.)

Thank you for choosing our appliance. We are sure it will provide you with trouble-free use.

In the following, we would like to familiarise you with some symbols, which we bring to your attention to ensure the safe and efficient operation of the appliance:

source of danger, in event of improper operation

suggested useful tips to read

information concerning environmental protection

This refrigerator is intended for the storage of food and drinks.

Attention!

- **This product is designed to be operated by adults. Children should not be allowed to tamper with the controls or play with the product.**
- **Any electrical work required to install this appliance should be carried out by a qualified electrician.**
- **This product should be serviced by an authorised Service Engineer, and only genuine spare parts should be used.**
- **It is dangerous to alter the specifications or modify this product in any way.**
- **Care must be taken to ensure that the appliance does not stand on the electrical supply cable.**
- **There are working parts in this product which heat up. Always ensure that there is adequate ventilation as a failure to do this will result in component failure and possible content loss. See installation instructions.**
- **Parts which heat up should not be exposed. Wherever possible the back of the product should be close to a wall but leaving the required distance for ventilation as stated in the installation instructions.**
- **Before defrosting, cleaning or maintenance work is carried out, be sure to switch off the appliance and unplug it.**
- **DO NOT USE SHARP INSTRUMENTS to scrape off frost or ice. Under no circumstances should solid ice be forced off the cooling plate. Solid ice should be allowed to thaw when defrosting the appliance. See defrost instructions.**
- **This appliance is heavy. Care should be taken when moving it.**
- **Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or more serious malfunctioning. Refer to your local Service Centre and always insist on genuine spare parts.**
- **In this appliance the storage of any toxic or explosive substance is forbidden!**

CONTENTS

1. Unpacking
2. View of the appliance
3. Cleaning
4. Positioning the appliance
   4.1. Installation instruction
      4.1.1. Built-in version
      4.1.2. Free-standing version
5. Using the appliance
   5.1. Initial operation
   5.2. Temperature regulation
   5.3. Cooling unit control (CUC)
6. Useful suggestions
7. Defrosting, cleaning and maintenance
   7.1. Automatic defrost function
8. Reversing the door hang
9. Replacing the decorative door panel
10. Customer service
11. Putting into operation, technical data
   11.1. Connecting to electrical mains
12. Environmental protection information
13. Recycling

Attention!

For warranty or other servicing, such as spare-parts, please contact our Dometic Service Network.

The warranty does not cover any damage due to improper use.

The warranty does not cover any modifications to the appliance or the use of non-original Dometic spare-parts.

The warranty does not apply if the installing and operating instructions are not adhered to.

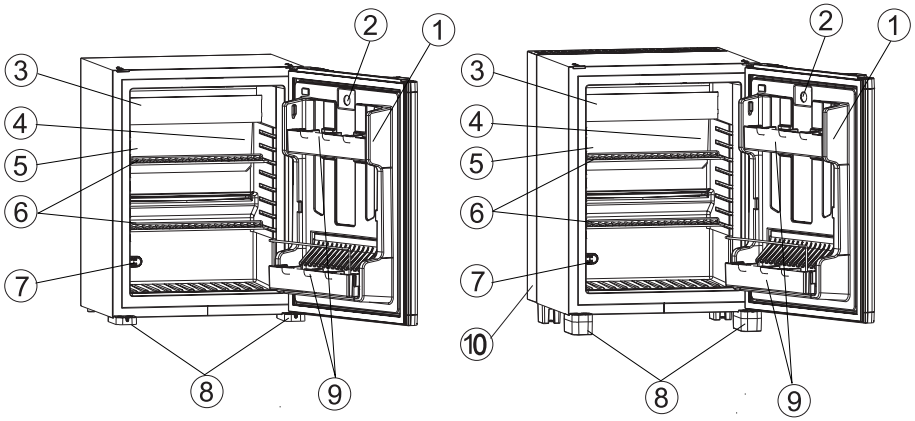
When contacting Dometic Service Network, please state the model, product number and serial number. You will find this information on the data plate inside of the refrigerator.

GB

1. Unpacking

After removal from the cardboard packaging, make sure the appliance is not damaged. If you find damage to the appliance resulting from transport, report it immediately to the transportation firm.

2. View of the appliance



Built-in version Free-standing version

Figure 1.

1. Door
2. Door lock (if available)
3. Evaporator cover
4. Evaporator sensor (behind evaporator)
5. Evaporator
6. Shelves
7. Air sensor
8. Foot
9. Door racks
10. Cowl

IN CASE IF YOUR REFRIGERATOR IS EQUIPPED WITH LOCK, DOMETIC RT DO NOT ACCEPT LIABILITY FOR LOSS OR DAMAGE OF KEYS. HOWEVER A COMPLETE LOCK CAN BE SUPPLIED.

3. Cleaning

Clean the refrigerator thoroughly at intervals, as necessary. Remove the shelves; these, parts, as well as the cabinet interior and the door should be washed with a warm solution of sodium bi-carbonate. Finally wipe over with a cloth rinsed in warm water only, and dry with a clean cloth. Do not wash any plastic parts in water that is more than hand warm, and do not expose them to dry heat. The outside of the cabinet should be wiped down regularly with a clean, damp cloth.

NEVER USE STRONG CHEMICALS OR ABRASIVE CLEANING MATERIALS ON ANY PART OF THE CABINET.

4. Positioning the appliance

When first using this refrigerator please consider the following points:

- ENSURE REFRIGERATOR IS LEVEL
- THE PIPEWORK AT THE BACK GETS HOT IN USE
- THE REFRIGERATOR HAS NO 'MOTOR' AND IS THEREFORE VIRTUALLY SILENT
- ALLOW AT LEAST 3 HRS. FOR SIGNS OF COOLING

During the refrigeration process, the appliance gives off heat from the condenser (under the upper part of the rear cover) into the surrounding air. The more ventilated the condenser is, the more effective the refrigeration will be.

- The other condition for satisfactory operation is that the appliance is levelled. This could be checked by placing a glass of water on top of the appliance.
- It is important that the appliance is not directly exposed to radiated heat (sunlight, radiator, near an oven, etc.).

4.1. Installation instructions

The refrigerator is equipped with an electrically heated absorption cooling unit which is virtually silent in operation. The fridge is designed for free-standing installation, but can be built-in if the following conditions are complied with to ensure satisfactory operation and maximum cooling efficiency.

4.1.1. Built-in version

This version is planned for building-in purposes. The miniBar can be screwed to the furniture using the fittings at the bottom. Drive in the screws (figure 2).

Difference between pivot points can be equalized with the help of the sliding hinge, which is a standard accessory for this version. The hinge recommended to fix onto the top third of the refrigerator's door. Please make sure before final fixing that the flat sliding part allows normal door opening in order to avoid door sticking (figure 2).

At the building-in process please take into consideration the items listed below.

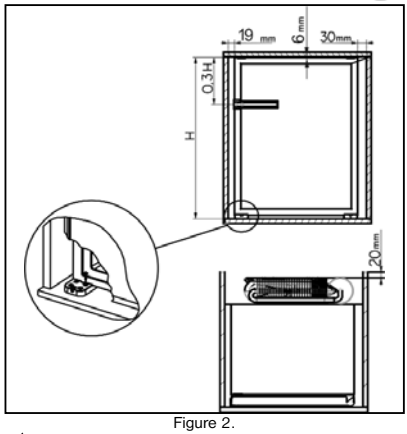


Figure 2.

IMPORTANT

Please follow the installation details below carefully. Guarantee is valid for products installed as described only.

1. **The refrigerator must be <u>level both directions</u>**
2. **There should be <u>20 mm clearance to the wall</u>**
3. **Ventilation must be provided as shown in alternatives A, B, C or D (fig. 3-4)**

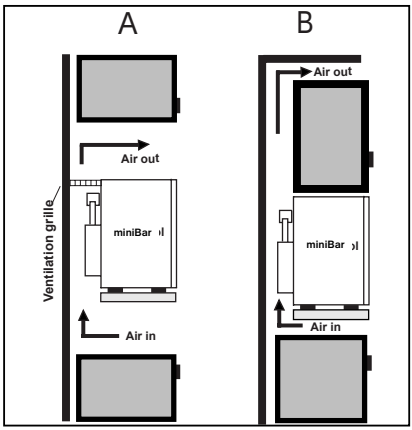


Figure 3.

4. **The ventilation duct must at least measure 105 mm x the width of the refrigerator**
5. **<u>Only</u> the entire cooling unit must project into the duct as shown**
6. **<u>Air passing through the duct must not be preheated</u> by any source of heat**
7. **Ventilation grills, if used, must have an free openings of <u>at least 200 cm² each</u>**

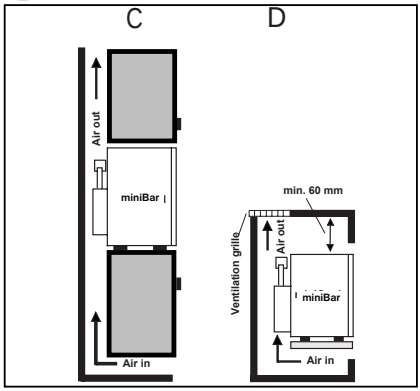


Figure 4.

During installation, please ensure the mains plug is accessible at all times.

4.1.2. Free-standing version

This version is supposed to be used free-standing. Cooling unit covers protect the hot parts of the cooling units. Feet ensure sufficient ventilation.

5. Using the appliance

To start the refrigerator connect the plug to the socket outlet. The empty refrigerator needs about 6-7 hours at normal ambient temperature to reach the proper temperature in the storage compartment.

5.1. Initial operation

- The device must be plugged into a properly earthed socket.
- The miniBar starts automatically with a self-test. If the electronics do not detect any fault, the refrigerator starts to cool down. If a fault is detected, the refrigerator stops cooling. If this occurs, please consult your authorised Customer Service.

5.2. Temperature regulation

The miniBar is fitted with a fully automatic electronic temperature regulator. It is not needed to set the temperature of the storage compartment manually.

5.3. Cooling unit control (CUC)

TThe electronic checks the function after every defrosting period (every 24 hours) by measuring the evaporator temperature drop. If it registers a problem the refrigerator will shut down and stops cooling. If this happens you should check whether the refrigerator has been overloaded, that the door was properly closed, that the cooling unit ventilation is correct and that the refrigerator is levelled. After checking, unplug the refrigerator at least for 10 seconds and plug in again. This resets the unit and it will function again. If no sign of cooling there is a problem and you should then contact Dometic service.

6. Useful suggestion

Do not overfill the appliance. If possible, always store pre-cooled food and/or drinks. It is advisable to leave some space between the products in the cabinet to ensure efficient and even cooling. If the shelves are packed too tightly there may be unacceptable temperature variations.

7. Defrosting, cleaning and maintenance

Frost will gradually form on the cooling plate and it must not be allowed to become too thick since it restricts the cooling.

This miniBar is fitted with a fully automatic electronic temperature regulator.

The frost will melt and the defrost water will run through the drain tube from the drip channel into an evaporating vessel located at the bottom rear of the refrigerator. (Fig. 5) The defrost water will evaporate automatically into the circulating air and the vessel will not need emptying.

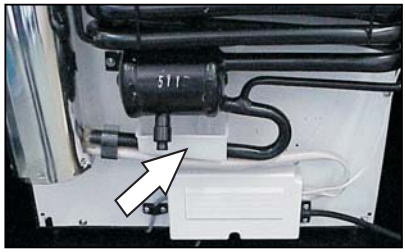


Figure 5.

To switch off the unit, disconnect the refrigerator from the electricity supply and leave the cabinet door open. After defrosting the cabinet interior should be wiped out with a clean, damp cloth.

7.1. Automatic defrost function

The first defrosting phase commences 39 hours after the start and lasts for two hours.

After this, the device operates for 22 hours at a time, followed by a defrosting period of 2 hours.

8. Reversing the door hang (Fig. 6.)

Reversing is suggested to perform in the following way, in order to avoid breaking of the hinge bolt:

- Disconnect the mains
- Lay the appliance down carefully on its back

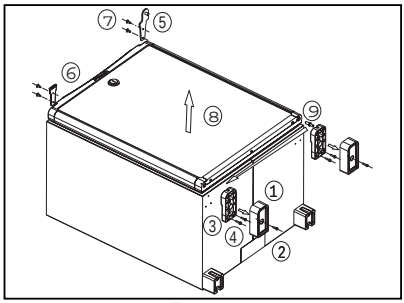


Figure 6.

- Take down the two foot-extension (1) pieces by removing the two screws (2)
- Remove the four screws (4) and take out the two fixing feet (3)
- Remove the four screws (7) the upper hing (5) and the cover cap (6)
- Remove the door (8), together with the upper hinge (5), from the housing
- Insert the upper hinge (attached the miniBar) and the covering plate in the slot on the opposite side and secure with four screws (7).
- Insert the door on the upper hinge and place it.
- Mount the fixing feet (3) with hinge bolts (9) placed into the opposite side of the feet
- Mount the two foot-extension pieces (1)
- Check that the door closes easily and is sealed properly.

9. Replacing the decorative door panel (Fig. 6., 7.)

(only free-standing model)

Removing and mounting of the door is similar to that of described in the previous, 9 chapter. (Only the foot on the hinge-side has to be removed!)

Remove screws (4) and pull off the frame edge (5).

Slide the decorative panel (6) out of the door frame and insert the new panel (7), so that the upper edge of the panel runs exactly parallel to the upper edge of the frame. A new panel can be inserted more easily into the upper edge of the frame when the two corners are cut off by approx. 5 x 5 mm (8). Put the frame edge (5) back in place and secure with screws.

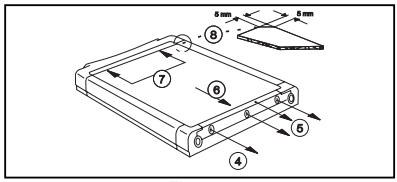


Figure 7.

10. Customer service

Before you call a service engineer, carry out the following simple tests:

Problem	Possible cause	Solution
The appliance does not cool sufficiently	Too much food to be cooled was put in.	Put in less food to be be cooled.
	Door is not shut properly.	Check if the door is shut.
	Internal air circulation is restricted.	Provide inside cool air circulation.
The appliance does not cool	Plug is not connected to the mains socket properly	Check if the connection is proper.
	There is no voltage in the mains socket.	Check if there is voltage.
	CUC system stopped the operation.	See operating instruction 5.3.

If after checking all the above points, the refrigerator is still not working satisfactorily, contact your nearest service engineer. State the problem, model, product- and serial-number. (Details of the model, product- and serial-number are to be found on the data label in the top left of the inside compartment.)

In the event of a fault developing, contact your nearest Service Centre-see local telephone directory.

GB

11. Putting into operation

Technical data:

Model	RH 439D	RH 449D
Type	MB20-60	MB20-60
Gross volume	24,5 litres	30 litres
Mains operation	120 V (AC)	120 V (AC)
Input	65W	65W
Energy consumption	0.7 kWh/24h	0.8 kWh/24h
Climate class	N	N
Refrigerant	147g H_2O+98g NH_3	147g H_2O+98g NH_3

11.1. Connecting to electrical mains

The appliance may only be operated from nominal voltage mains as shown on the data plate. The appliance mains plug may be connected to a mains socket earthed in accordance with regulations.

Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.

The manufacturer declines any liability should these safety measures not be observed.

Electrical Requirements

Before switching on, make sure the electricity supply voltage is the same as that indicated on the appliance rating plate.

12. Environmental protection information

The appliance does not contain any CFCs/HCFCs.

Ammonia (natural hydrogen and nitrogen compound) is used as a refrigerating agent in the refrigeration unit.

The ozone-friendly cyclopentane is activated as a motive agent for the PU foam insulation.

Sodium chromate is used for corrosion protection (less than 2 weight % of the coolant).

13. Recycling

After unpacking the appliance, the packing materials should be delivered to a local collection site. At the end of its useful lifetime, the appliance should be delivered to a specialized collection and reprocessing firm, which reclaims the usable materials. The rest is properly destroyed.

This appliance complies with the following directives:

ANSI/UL STD: 250

CAN/CSA - C22.2 No. 63 - 93

Printed by Océ Hungária Kft. Rev.: 2006. 03. 10.